



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D2161-212**  
**Job Sheet 194680**



Part No: D2161-212

Job Qty: 2 pcs

Part Name: Mirror Bracket, 212



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 5/7/19

Job Tracking No:

Due Date: 6/24/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV B2 IPP D 02.04.15 Added dwg Rev.B1 and finish NG

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation                 | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|---------------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                           |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 100   | Large Fab - Welded Assy-1 | 2 pcs | 6/24/19    |          | 0.00      | 2.50    | Large Fab - 1         |           | EL       |
|       |                           |       |            |          |           |         | Large Fab - 10        |           |          |
|       |                           |       |            |          |           |         | Large Fab - 2         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 3         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 4         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 5         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 6         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 7         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 8         |           |          |
| 110   | QC 9                      | 2 pcs | 6/24/19    |          | 0.00      | 0.00    | Large Fab - 9         |           | BE       |
|       |                           |       |            |          |           |         | QC 9 - 10             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 18             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 24             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 43             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 50             |           |          |
| 120   | QC 5                      | 2 pcs | 6/24/19    |          | 0.00      | 0.00    | QC 9 - 9              |           | BE       |
|       |                           |       |            |          |           |         | QC 5 - 10             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 12             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 17             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 18             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 19             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 22             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 24             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 3              |           |          |
|       |                           |       |            |          |           |         | QC 5 - 43             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 49             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 51             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 58             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 68             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 9              |           |          |
|       |                           |       |            |          |           |         | QC 5 - 50             |           |          |



Container No: S190183



Part: D2161-212

Job No: 194680

Serial No/Batch: S190183

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 06/13/19

Plex 5/7/19 11:24 AM Dart.lajeunesse.marie

|     |                                 |       |         |           |                        |
|-----|---------------------------------|-------|---------|-----------|------------------------|
|     |                                 |       |         | QC 5 - 30 |                        |
|     |                                 |       |         | QC 5 - 40 |                        |
| 130 | Powdercoat - 4 Black Sand - B4B | 2 pcs | 6/24/19 | 0.00 0.18 | Powdercoat - 1 - B4B   |
|     |                                 |       |         |           | Powdercoat - 2 - B4B   |
|     |                                 |       |         |           | Powdercoat - 3 - B4B   |
|     |                                 |       |         |           | Powdercoat - 4 - B4B   |
| 140 | QC 3                            | 2 pcs | 6/24/19 | 0.00 0.00 | QC 3 - 10              |
|     |                                 |       |         |           | QC 3 - 13              |
|     |                                 |       |         |           | QC 3 - 15              |
|     |                                 |       |         |           | QC 3 - 17              |
|     |                                 |       |         |           | QC 3 - 18              |
|     |                                 |       |         |           | QC 3 - 2               |
|     |                                 |       |         |           | QC 3 - 28              |
|     |                                 |       |         |           | QC 3 - 3               |
|     |                                 |       |         |           | QC 3 - 30              |
|     |                                 |       |         |           | QC 3 - 34              |
|     |                                 |       |         |           | QC 3 - 36              |
|     |                                 |       |         |           | QC 3 - 41              |
|     |                                 |       |         |           | QC 3 - 51              |
|     |                                 |       |         |           | QC 3 - 58              |
|     |                                 |       |         |           | QC 3 - 59              |
|     |                                 |       |         |           | QC 3 - 68              |
|     |                                 |       |         |           | QC 3 - 9               |
|     |                                 |       |         |           | QC 3 - 40              |
|     |                                 |       |         |           | QC 3 - 19              |
|     |                                 |       |         |           | QC 3 - 43              |
|     |                                 |       |         |           | QC 3 - 24              |
| 150 | Packaging 3-1 - Stock - B4B     | 2 pcs | 6/24/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  |
|     |                                 |       |         |           | Packaging 3 - 2 - B4B  |
|     |                                 |       |         |           | Packaging 3 - 3 - B4B  |
|     |                                 |       |         |           | Packaging 3 - 4 - B4B  |
|     |                                 |       |         |           | Packaging 3 - 5 - B4B  |
|     |                                 |       |         |           | Packaging 3 - 6 - B4B  |
|     |                                 |       |         |           | Packaging 3 - 7 - B4B  |
|     |                                 |       |         |           | Packaging 3 - 8 - B4B  |
|     |                                 |       |         |           | Packaging 3 - 9 - B4B  |
|     |                                 |       |         |           | Packaging 3 - 10 - B4B |
|     |                                 |       |         |           | Packaging 3 - 11 - B4B |
|     |                                 |       |         |           | Packaging 3 - 12 - B4B |
|     |                                 |       |         |           | Packaging 3 - 13 - B4B |
|     |                                 |       |         |           | Packaging 3 - 14 - B4B |
|     |                                 |       |         |           | Packaging 3 - 15 - B4B |
|     |                                 |       |         |           | Packaging 3 - 16 - B4B |
|     |                                 |       |         |           | Packaging 3 - 17 - B4B |
|     |                                 |       |         |           | Packaging 3 - 18 - B4B |
|     |                                 |       |         |           | Packaging 3 - 19 - B4B |
|     |                                 |       |         |           | Packaging 3 - 20 - B4B |
|     |                                 |       |         |           | Packaging 3 - 21 - B4B |
|     |                                 |       |         |           | Packaging 3 - 22 -     |

DAS  
40  
JUN 14 2019 9:89



| Part / Item                                                                                                                             | Component Name         | Quantity     | Operation                     | Job BOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D2037-101                                                                                                                               | Arm                    | 2 pcs (1 ea) | 100-Large Fab - Welded Assy-1 | <p>Part Op 100 - Large Fab 1 (Weld per dwg A/R S.S. rod Batch: 138974) 1-Assemble on Jig DT8065 as per Dwg D2161 2-Weld</p> <p>Descriptions: as per Dwg D2161 Identify as D2161-212</p> <p>110 - (QC9 - Inspect visual per QSI004- Fusion Welds)</p> <p>120 - QC5- Inspect part completeness to step on W/O)</p> <p>130 - Powdercoat4 (Black Sandtex(Ref:4.3.5.7) per QSI005 4.3) START TIME: _____</p> <p>140 - (QC3- Inspect Part Finish)</p> <p>150 - (Identify as per dwg &amp; Stock Location: _____)</p> <p>160 - (QC21- Final Inspection - Work Order Release)</p> |
| D2013-4                                                                                                                                 | Mirror Bracket RH, 212 | 2 pcs (1 ea) | 100-Large Fab - Welded Assy-1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| D2013-3                                                                                                                                 | Mirror Bracket LH, 212 | 2 pcs (1 ea) | 100-Large Fab - Welded Assy-1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| D2037-101                                                                                                                               | Arm                    | 2 pcs (1 ea) | 100-Large Fab - Welded Assy-1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p>Job BOM</p> <p>Container</p> <p>8043722</p> <p>F158213</p> <p>5190181</p>                                                            |                        |              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p>Part Specifications</p> <p>100-Large Fab - Welded Assy-1</p> <p>Component Part</p> <p>Required</p> <p>Inventory</p> <p>Allocated</p> |                        |              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p>Operation</p> <p>100-Large Fab - Welded Assy-1</p> <p>Component Part</p> <p>Required</p> <p>Inventory</p> <p>Allocated</p>           |                        |              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p>Part Specifications</p> <p>100-Large Fab - Welded Assy-1</p> <p>Component Part</p> <p>Required</p> <p>Inventory</p> <p>Allocated</p> |                        |              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <p>Specifications could not be found.</p>                                                                                               |                        |              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QC / QA Coordinator    |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column; align-items: flex-start;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |